

FIG. 1

30

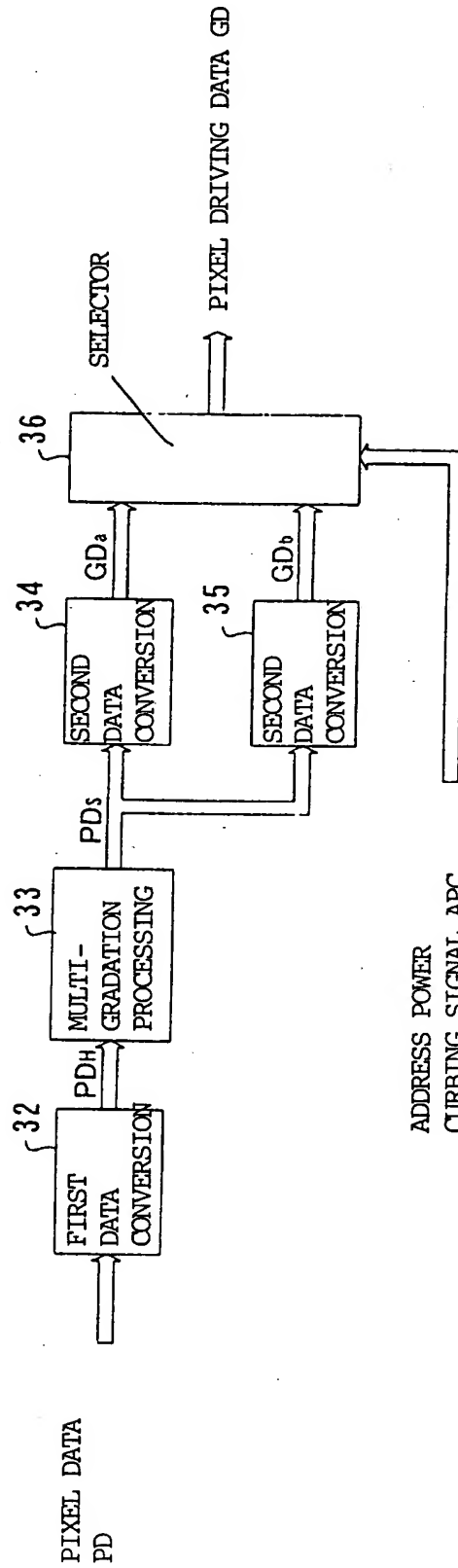


FIG. 2

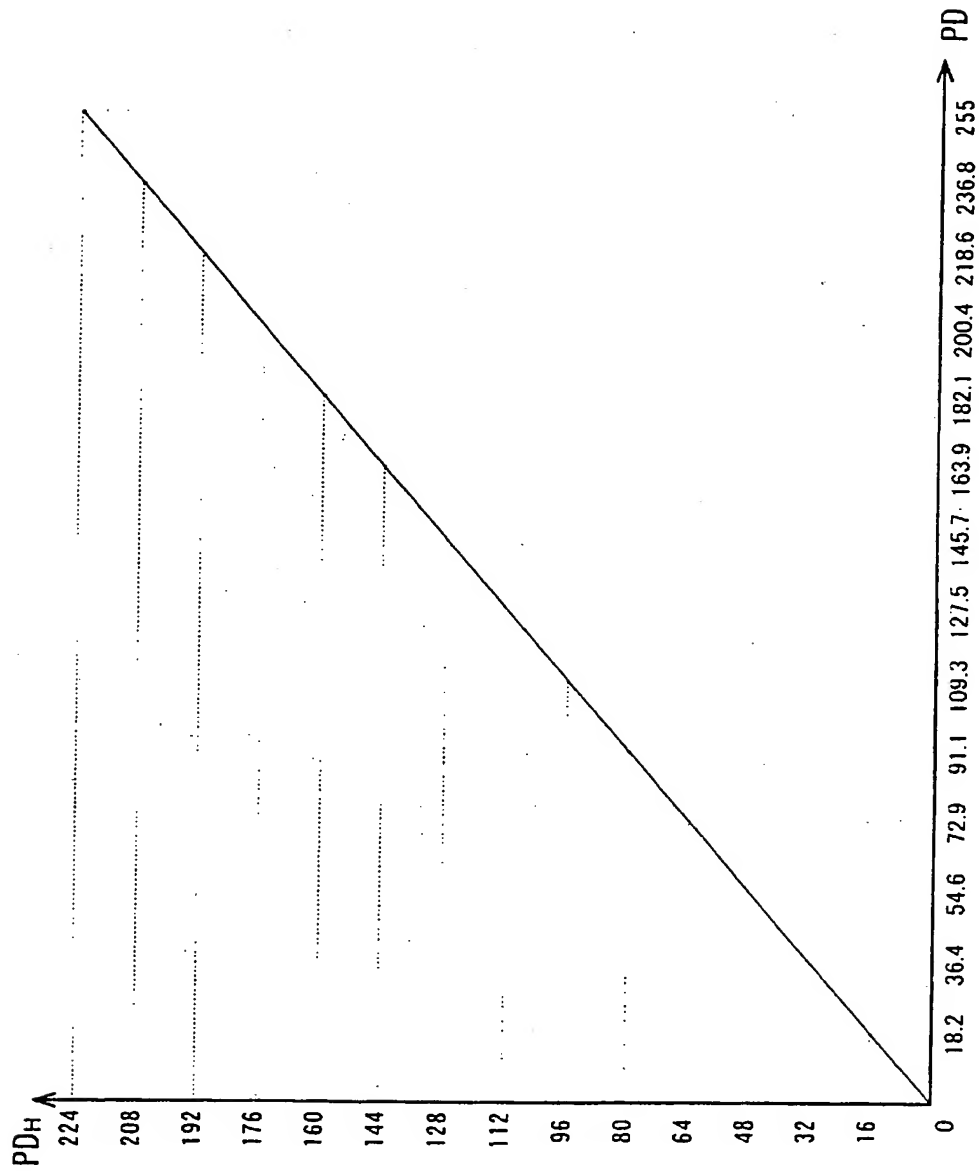


FIG. 3

CONVERSION TABLE OF SECOND DATA
CONVERSION CIRCUIT 34

GRADATION

(SELECTIVE ERASURE)

EMITTED
LUMINANCE

	PDs	GDa	LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	0000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
2	0001	0	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	0010	0	0	1	1	1	1	1	1	1	1	1	1	1	1	16
4	0011	0	0	0	1	1	1	1	1	1	1	1	1	1	1	36
5	0100	0	0	0	0	1	1	1	1	1	1	1	1	1	1	68
6	0101	0	0	0	0	0	1	1	1	1	1	1	1	1	1	108
7	0110	0	0	0	0	0	0	1	1	1	1	1	1	1	1	160
8	0111	0	0	0	0	0	0	0	1	1	1	1	1	1	1	224
9	1000	0	0	0	0	0	0	0	0	1	1	1	1	1	1	300
10	1001	0	0	0	0	0	0	0	0	0	1	1	1	1	1	388
11	1010	0	0	0	0	0	0	0	0	0	0	1	1	1	1	488
12	1011	0	0	0	0	0	0	0	0	0	0	0	1	1	1	600
13	1100	0	0	0	0	0	0	0	0	0	0	0	0	1	1	728
14	1101	0	0	0	0	0	0	0	0	0	0	0	0	0	1	868
15	1110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1024

BLACK CIRCLES: SELECTIVE ERASING DISCHARGE
WHITE CIRCLES: SUSTAINED DISCHARGE EMISSION

BLACK CIRCLES: SELECTIVE ERASING DISCHARGE
 WHITE CIRCLES: SUSTAINED DISCHARGE EMISSION

FIG. 4

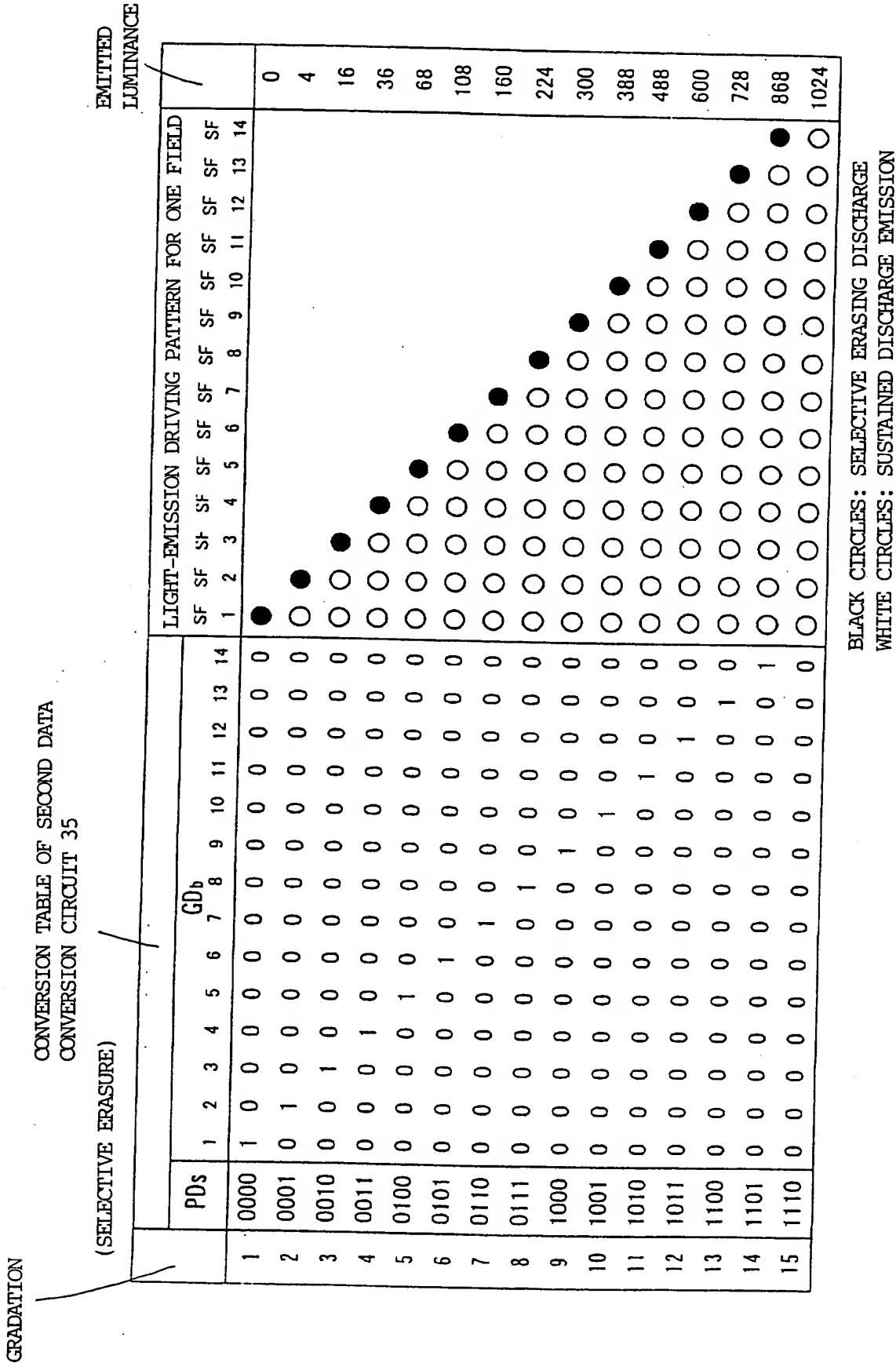
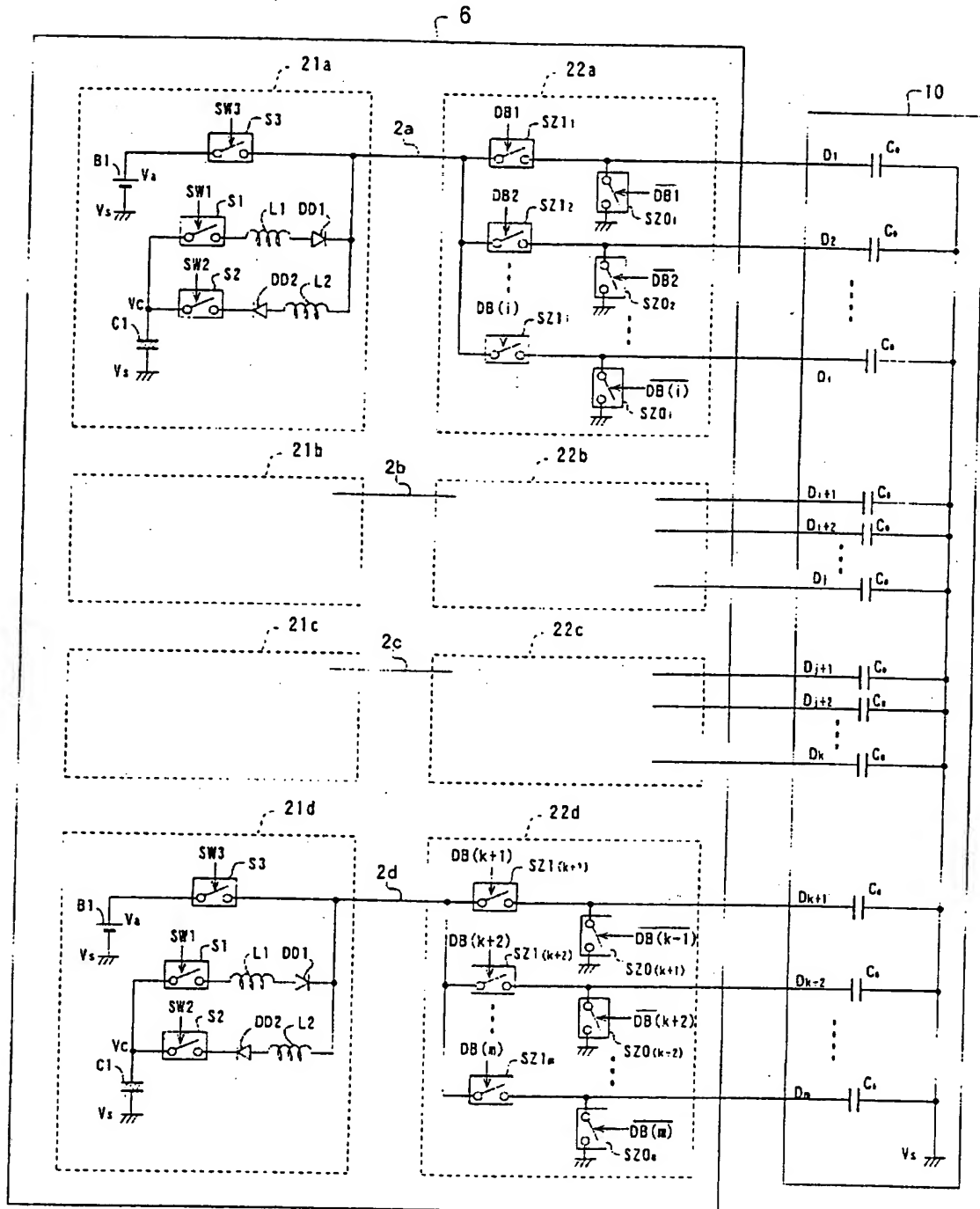


FIG. 5

FIG. 6



US01-02082

FIG. 7D

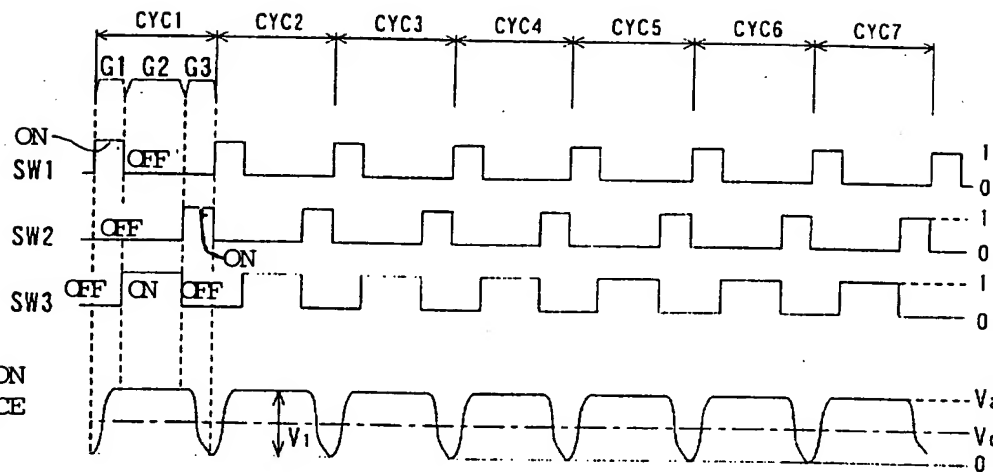
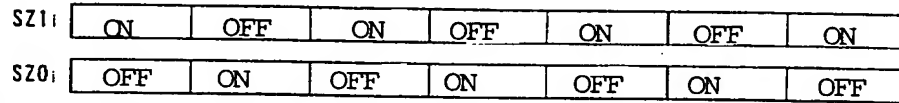


FIG. 7A

POTENTIAL ON
POWER SOURCE
LINE 2



POTENTIAL ON
COLUMN
ELECTRODE Di

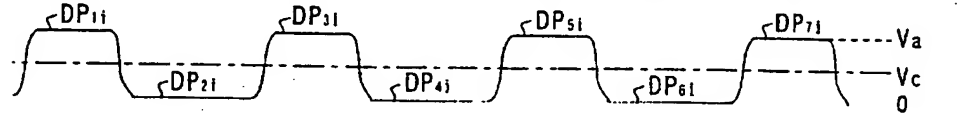
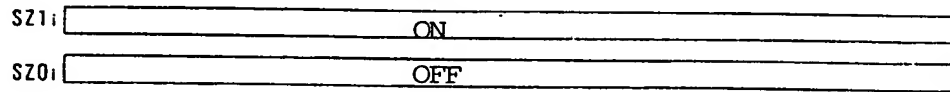


FIG. 7B

POTENTIAL ON
POWER SOURCE
LINE 2



POTENTIAL ON
COLUMN
ELECTRODE Di

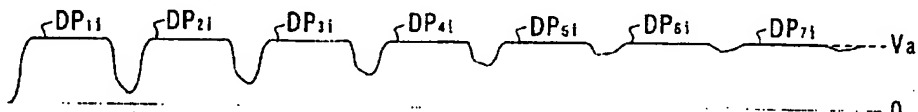
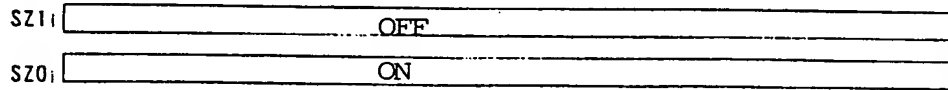


FIG. 7C

POTENTIAL ON
POWER SOURCE
LINE 2



POTENTIAL ON
COLUMN
ELECTRODE Di

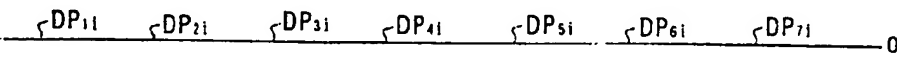
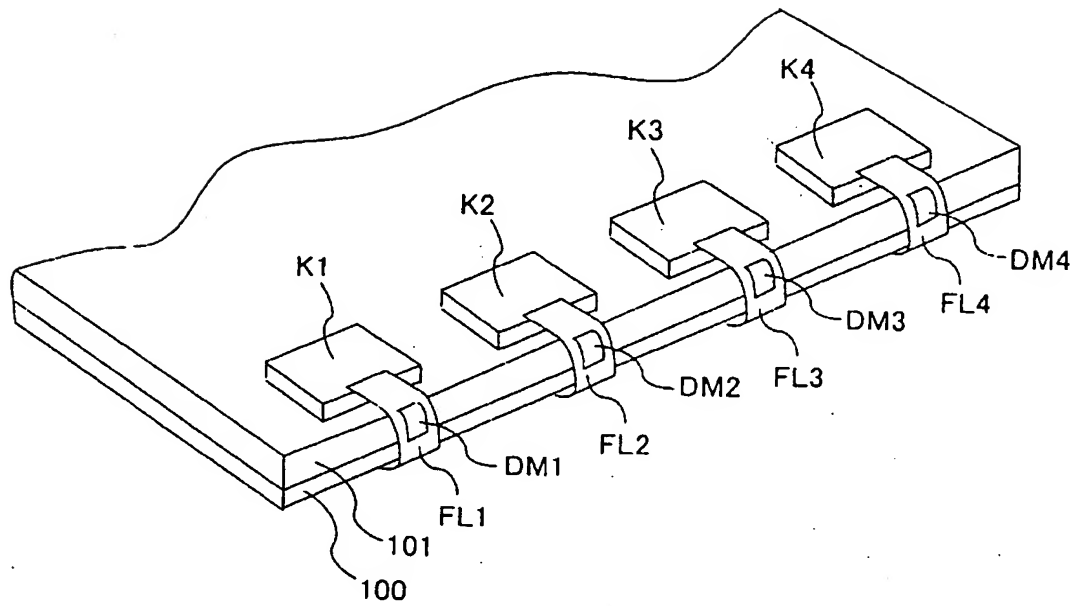


FIG. 8



$$DB_{(N,M)} = \begin{bmatrix} DB_{(1,1)} & DB_{(1,2)} & DB_{(1,3)} & \cdots & DB_{(1,m)} \\ DB_{(2,1)} & DB_{(2,2)} & DB_{(2,3)} & \cdots & DB_{(2,m)} \\ DB_{(3,1)} & DB_{(3,2)} & DB_{(3,3)} & \cdots & DB_{(3,m)} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ DB_{(n,1)} & DB_{(n,2)} & DB_{(n,3)} & \cdots & DB_{(n,m)} \end{bmatrix}$$

FIG. 9

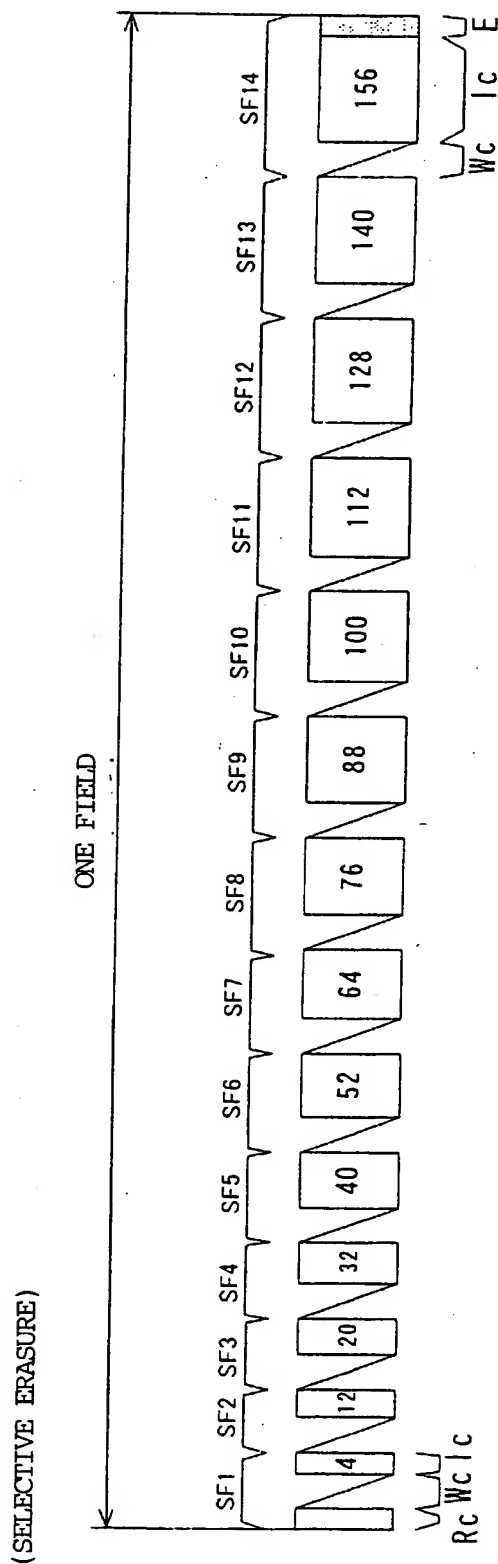


FIG. 10

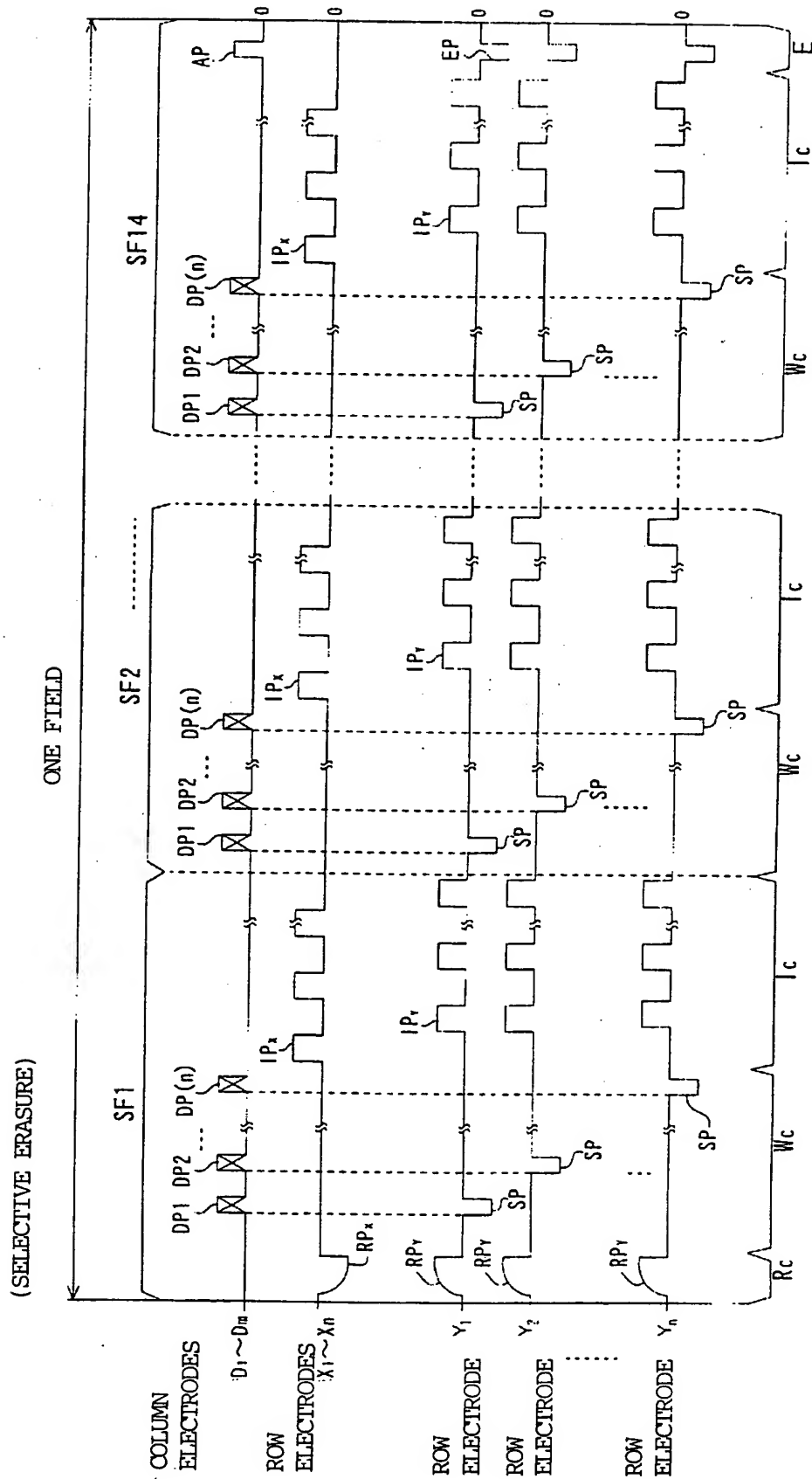


FIG. 11

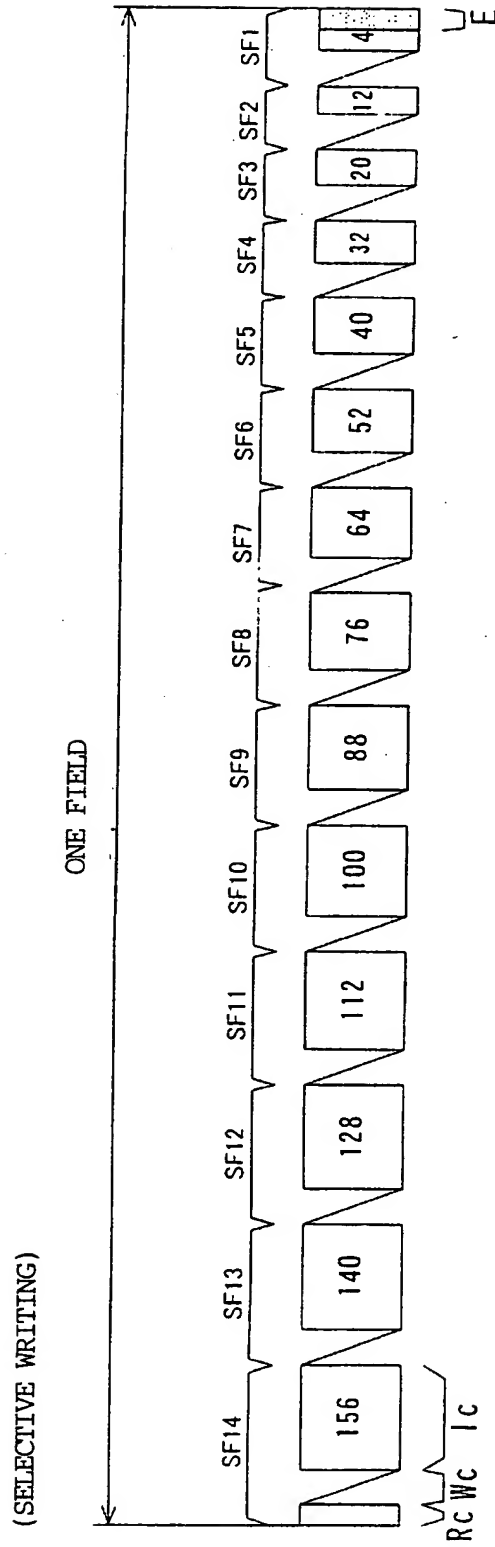


FIG. 12

CONVERSION TABLE OF SECOND DATA CONVERSION CIRCUIT 34															EMITTED LUMINANCE		
(SELECTIVE WRITING)																	
LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD																	
SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF																	
14 13 12 11 10 9 8 7 6 5 4 3 2 1																	
GDa																	
14 13 12 11 10 9 8 7 6 5 4 3 2 1																	
PDs																	
14 13 12 11 10 9 8 7 6 5 4 3 2 1																	
1	0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
4	0011	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5	0100	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
6	0101	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	0110	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
8	0111	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
9	1000	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
10	1001	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
11	1010	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
12	1011	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
13	1100	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1101	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
															0		
															4		
															16		
															36		
															68		
															108		
															160		
															224		
															300		
															388		
															488		
															600		
															728		
															868		
															1024		

WHITE TRIANGLE: SELECTIVE WRITING DISCHARGE +
SUSTAINED DISCHARGE EMISSION

WHITE TRIANGLE: SELECTIVE WRITING DISCHARGE +
 SUSTAINED DISCHARGE EMISSION

FIG. 13

FIG. 14

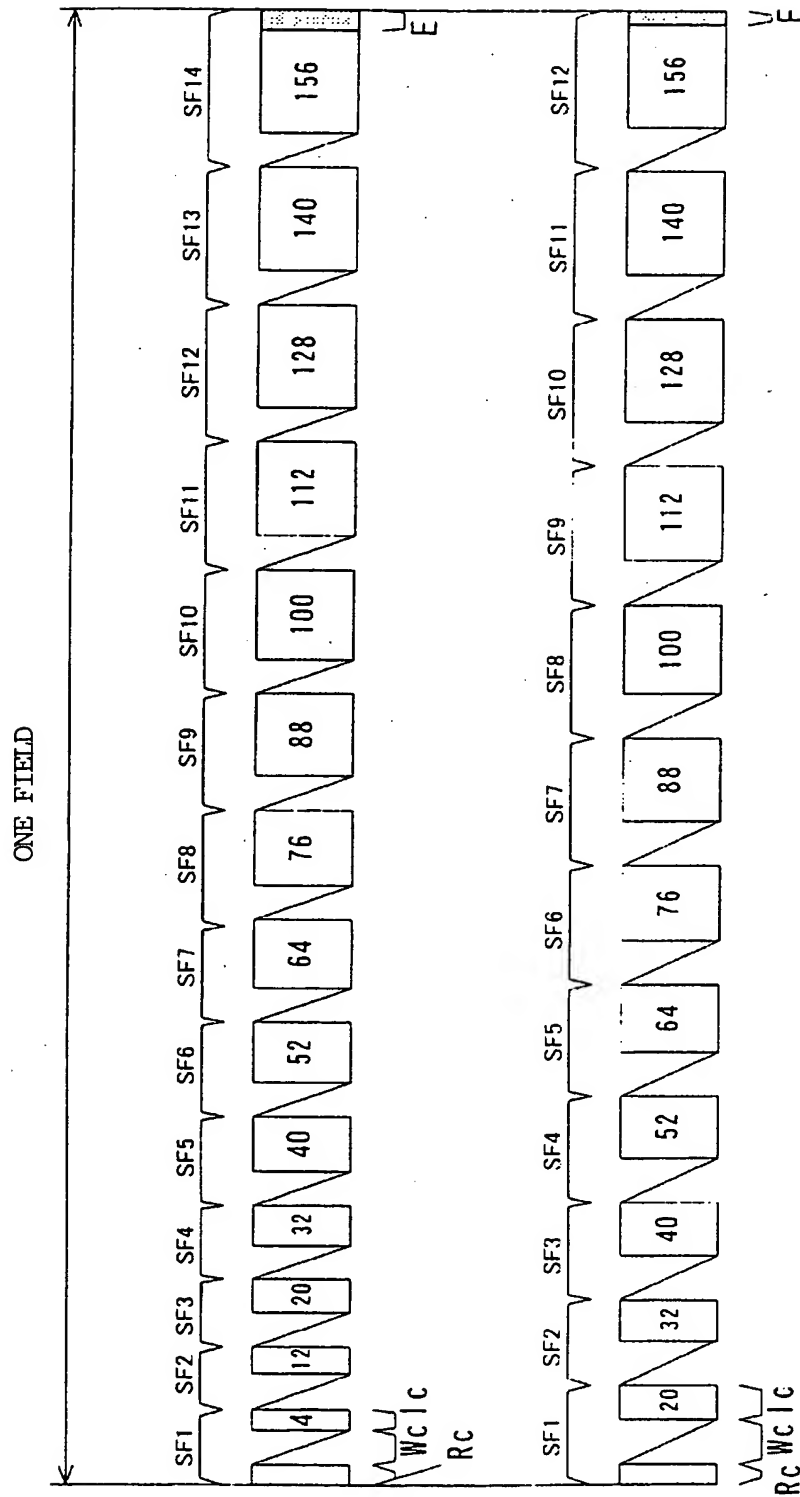


FIG. 15A

FIG. 15B

FIG. 16

